BRUHATH BENGALURU MAHANAGARA PALIKE

MEASURMENT BOOK

Name of work: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

PAYMENT CERTIFICATE

1st & PART bill

Job code no : 002-22-000003

Estimate Cost: Rs. 1350.00 Lakhs

Civil Prime Consultants & Engineers

(Project Management Services)

An ISO 9001:2015 Certified Company

(No 23, Shivakrupa CKM Road, Near Akai Public School, RMV 2nd Stage Sanjay Nagar Bangalore-560094)

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKAST ZONE

YALAHANKA DIVISION

YALAHANKA SUB-DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Work Order No : BBMP/EE/YNK.D/EPMT-08/W.O/111/21-22 **Dated:** 15-02-2022

JOB NUMBER : 002-22-000003

Estimate Cost : Rs. 1350.00 Lakhs (Rupees Thirteen Crore fifty lakhs Only)

As No: ಕರ್ನಾ.ಕಿ/ಯಲ/೪೪/12/21-22 , ದಿನಾಂಕ :- 11/02/2022

TS No: ಬೃ.ಪ/ಕಾಂ.ಕಿ/ಯಲ/ಟಿ.ಸಂ27/21-22 , ದಿನಾಂಕ :- 15/02/22

Period of Completion : 06 Months

Name of Contractor and full Address: Sri.K.VENKATARAJU No.23, Near Akai Public School, Nagashettyhalli, RMV 2nd stage, Bengaluru-94

Bill No : 1st and Part Bill

ABSTRACT

Sl No	Description of item	Unit	Qty	Rate	Amount
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33)	Sqm	0.00	112.41	0.00
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 8km lead= 57+2.0x1.28x =77.48	Cum	5256.22	217.43	1142859.00
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4.1 4.2 (P.No 13 I No 4.3)	Cum	872.39	5675.99	4951657.00
4	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 [illegible])	Cum	1707.66	7497.22	12802728.00
5	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2	Tonne	101.74	80948.07	8236047.00

Sl No	Description of item	Unit	Qty	Rate	Amount
16	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)	Sqm	28928.69	34.26	991097.00
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)	Cum	1446.43	7365.73	10654046.00
18	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. (P.No-161,I No-21.7)	Sqm	28928.69	12.85	371733.00
19	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen(P.No-162,I No-21.22.6)	Cum	1157.15	8534.82	9876047.00
20	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)	Sqm	394.61	459.29	181238.00
21	KSRRB M800 Road markers/ Road stud , KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering thje lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997.The height, width and length shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree.The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30mm)from the body is to be a minimum value of 500kg. Fixing will be by drilling holes on the road for the shanks to go inside, without ails and using epoxy resin based adhesive as per manufacture's recommendation and complete as directed by the engineer.(P.No-187,I	No's	0.00	360.79	0.00
22	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (8km lead = 57.2*1.28X8)	Cum	135.13	1040.72	140634.00

Sl No	Description of item	Unit	Qty	Rate	Amount
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	4404.56	1941.22	8550224.00
7	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	404.28	4530.86	1831736.00
8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KRS 4.1, 4.2 (P No.13 I No.4.6)	Cum	0.00	6089.86	0.00
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge. (P No.27 I No.5.30 of PW, P&IWTD SR 2018-19)	No's	9706.00	436.80	4239580.00
10	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Iitem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)	Sqm	1528.70	85.65	130932.00
11	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143)	Cum	9953.42	64.58	642791.00
12	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P No.146 I No.19.56)	Sqm	1069.50	41.75	44651.00
13	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)	Sqm	28534.85	6.42	183193.00
14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision (I No-20.5,P No-153)	Cum	4286.17	2014.87	8636072.00
15	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P No.155 I No.20.18)	Cum	5706.97	2021.29	11535442.00

Sl No	Description of item	Unit	Qty	Rate	Amount
23	KSRRB M600-1. Providing and Constructing dry lean cement concrete mix CC1:5:10 Base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum over a prepared sub-base coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do-with OPC at 150 kg/cum and Coarse agrregate 0.86cum, Fine aggregate 0.58cum using Concrete batch Mix Plant at 75 Cum/hr capacity with fixed form Paver	Cum	101.35	4101.90	415723.00
24	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1	Cum	101.35	5690.64	576740.00
				Sub Total	86135170.00
				Appilcable GST Charges 12%	10336220.00
				Total Amount Rs.	96471390.00

For CIVIL PRIME CONSULTANTS & ENGINEERS

Authorised Signatory
Civil Prime Consultants & Engineers

K-Valid
Contractor

Assistant Engineer
Ward No.002
Chowdeshwari ward

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No.	2	Measurement Sheet
Item Name	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 8km lead= 57+2.0x1.28x =77.48	

Premeasurement recorded on: 17/02/2022

Chainage	Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
For RCC Drain							
1st 'A' main rd (W0041) from 9th cross to Dead end rd E/S							
0.00	9.00	1	9.00	1.10	0.90	8.91	Cum
17.40	47.40	1	30.00	1.10	0.90	29.70	"
47.40	77.40	1	30.00	1.10	0.90	29.70	"
77.40	96.00	1	18.60	1.10	0.90	18.41	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd E/S							
0.00	8.90	1	8.90	1.10	0.90	8.81	Cum
17.80	47.80	1	30.00	1.10	0.90	29.70	"
47.80	77.80	1	30.00	1.10	0.90	29.70	"
77.80	90.10	1	12.30	1.10	0.90	12.18	"
99.10	129.10	1	30.00	1.10	0.90	29.70	"
129.10	136.00	1	6.90	1.10	0.90	6.83	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd W/S							
0.00	30.00	1	30.00	1.10	0.90	29.70	Cum
30.00	60.00	1	30.00	1.10	0.90	29.70	"
60.00	90.00	1	30.00	1.10	0.90	29.70	"
90.00	120.00	1	30.00	1.10	0.90	29.70	"
120.00	150.00	1	30.00	1.10	0.90	29.70	"
150.00	173.50	1	23.50	1.10	0.90	23.27	"
10th cross rd(W0041) 1st 'A' main rd to 1st main rd S/S							
0.00	25.10	1	25.10	1.10	0.90	24.85	Cum
10th cross rd(W0041) 1st 'A' main rd to 1st main rd N/S							
0.00	28.40	1	28.40	1.10	0.90	28.12	Cum
10th cross rd(W0049) 1st 'A' main rd to Dead end N/S							
0.00	30.00	1	30.00	1.10	0.90	29.70	Cum
30.00	47.20	1	17.20	1.10	0.90	17.03	"
10th cross rd(W0049) 1st 'A' main rd to Dead end S/S							
0.00	30.00	1	30.00	1.10	0.90	29.70	Cum
30.00	36.40	1	6.40	1.10	0.90	6.34	"
9th cross rd(W0030) main rd to 1st main rd S/S							
0.00	30.00	1	30.00	1.10	0.90	29.70	Cum
30.00	60.00	1	30.00	1.10	0.90	29.70	"
60.00	67.50	1	7.50	1.10	0.90	7.43	"
74.40	101.70	1	27.30	1.10	0.90	27.03	"
9th cross rd(W0030) main rd to 1st main rd N/S							
0.00	30.00	1	30.00	1.10	0.90	29.70	Cum
30.00	50.10	1	20.10	1.10	0.90	19.90	"
72.80	98.50	1	25.70	1.10	0.90	25.44	"
1st main rd(W0043) 7th cross rd to 5th cross rd W/S							
0.00	30.00	1	30.00	1.10	0.90	29.70	Cum
30.00	60.00	1	30.00	1.10	0.90	29.70	"
60.00	77.00	1	17.00	1.10	0.90	16.83	"
1st main rd(W0043) 6th cross rd to 7th cross rd E/S							
0.00	23.50	1	23.50	1.10	0.90	23.27	Cum

Chainage / Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
C19 Cross rd (W0048)	1	11.70	1.30	0.95	14.45	" "
C20 Sri Nidhi Lyt cross rd 2	1	4.20	1.30	0.95	5.19	" "
C21 4th main rd Kenchenalli rd	1	5.80	1.30	0.95	7.16	" "
C22 Cross rd (W0146)	1	9.00	1.30	0.95	11.12	" "
C23 Cross rd (W0148)	1	8.20	1.30	0.95	10.13	" "
C24 Cross rd (W0205)	1	7.20	1.30	0.95	8.89	" "
C25	1	7.80	1.30	0.95	9.63	" "
C26 KEB Lyt rd (W0154)	1	7.80	1.30	0.95	9.63	" "
C27 Cross rd (W0227)	1	6.60	1.30	0.95	8.15	" "
C28 Cross rd (W0225)	1	6.60	1.30	0.95	8.15	" "
C29 Cross rd (W0223)	1	7.20	1.30	0.95	8.89	" "
C30 Cross rd (W0221)	1	7.20	1.30	0.95	8.89	" "
C31 Cross rd (W0219)	1	9.60	1.30	0.95	11.86	" "
C32 Cross rd (W0217)	1	9.60	1.30	0.95	11.86	" "
C33 Cross rd (W0215)	1	9.60	1.30	0.95	11.86	" "
C34 Cross rd (W0213)	1	10.20	1.30	0.95	12.60	" "
C35 1st 'A' main rd (W0041)	1	6.90	1.30	0.95	8.52	" "
C36 1st 'A' main rd (W0041)	1	7.50	1.30	0.95	9.26	" "
C37 3rd cross rd	1	6.60	1.30	0.95	8.15	" "
C38 11th main rd (W0077)	1	6.90	1.30	0.95	8.52	" "
C39 Cross rd (W0166)	1	17.80	1.30	0.95	21.98	" "
				Net Qty to be Paid	5256.22	Cum

CAFm

A.E.E

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

17/02/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

Contractor

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Measurement Sheet

I.No. 3

Item Name: KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4.8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3)

Premeasurement recorded on: 9/2/2022

Chainage	Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
For RCC Drain							
1st 'A' main rd (W0041) from 9th cross to Dead end rd E/S							
0.00	9.00	1	9.00	1.10	0.15	1.49	Cum
17.40	47.40	1	30.00	1.10	0.15	4.95	"
47.40	77.40	1	30.00	1.10	0.15	4.95	"
77.40	96.00	1	18.60	1.10	0.15	3.07	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd E/S							
0.00	8.90	1	8.90	1.10	0.15	1.47	Cum
17.80	47.80	1	30.00	1.10	0.15	4.95	"
47.80	77.80	1	30.00	1.10	0.15	4.95	"
77.80	90.10	1	12.30	1.10	0.15	2.03	"
99.10	129.10	1	30.00	1.10	0.15	4.95	"
129.10	136.00	1	6.90	1.10	0.15	1.14	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd W/S							
0.00	30.00	1	30.00	1.10	0.15	4.95	Cum
30.00	60.00	1	30.00	1.10	0.15	4.95	"
60.00	90.00	1	30.00	1.10	0.15	4.95	"
90.00	120.00	1	30.00	1.10	0.15	4.95	"
120.00	150.00	1	30.00	1.10	0.15	4.95	"
150.00	173.50	1	23.50	1.10	0.15	3.88	"
10th cross rd(W0041) 1st 'A' main rd to 1st main rd S/S							
0.00	25.10	1	25.10	1.10	0.15	4.14	Cum
10th cross rd(W0041) 1st 'A' main rd to 1st main rd N/S							
0.00	28.40	1	28.40	1.10	0.15	4.69	Cum
10th cross rd(W0049) 1st 'A' main rd to Dead end N/S							
0.00	30.00	1	30.00	1.10	0.15	4.95	Cum
30.00	47.20	1	17.20	1.10	0.15	2.84	"
10th cross rd(W0049) 1st 'A' main rd to Dead end S/S							
0.00	30.00	1	30.00	1.10	0.15	4.95	Cum
30.00	36.40	1	6.40	1.10	0.15	1.06	"
9th cross rd(W0030) main rd to 1st main rd S/S							
0.00	30.00	1	30.00	1.10	0.15	4.95	Cum
30.00	60.00	1	30.00	1.10	0.15	4.95	"
60.00	67.50	1	7.50	1.10	0.15	1.24	"
74.40	101.70	1	27.30	1.10	0.15	4.50	"
9th cross rd(W0030) main rd to 1st main rd N/S							
0.00	30.00	1	30.00	1.10	0.15	4.95	Cum
30.00	50.10	1	20.10	1.10	0.15	3.32	"
72.80	98.50	1	25.70	1.10	0.15	4.24	"
1st main rd(W0043) 7th cross rd to 5th cross rd W/S							
0.00	30.00	1	30.00	1.10	0.15	4.95	Cum
30.00	60.00	1	30.00	1.10	0.15	4.95	"
60.00	77.00	1	17.00	1.10	0.15	2.81	"
1st main rd(W0043) 6th cross rd to 7th cross rd E/S							

AE-02

Chainage / Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
C22 Cross rd (W0146)	1	9.00	1.30	0.15	1.76	" "
C23 Cross rd (W0148)	1	8.20	1.30	0.15	1.60	" "
C24 Cross rd (W0205)	1	7.20	1.30	0.15	1.40	" "
C25	1	7.80	1.30	0.15	1.52	" "
C26 KEB Lyt rd (W0154)	1	7.80	1.30	0.15	1.52	" "
C27 Cross rd (W0227)	1	6.60	1.30	0.15	1.29	" "
C28 Cross rd (W0225)	1	6.60	1.30	0.15	1.29	" "
C29 Cross rd (W0223)	1	7.20	1.30	0.15	1.40	" "
C30 Cross rd (W0221)	1	7.20	1.30	0.15	1.40	" "
C31 Cross rd (W0219)	1	9.60	1.30	0.15	1.87	" "
C32 Cross rd (W0217)	1	9.60	1.30	0.15	1.87	" "
C33 Cross rd (W0215)	1	9.60	1.30	0.15	1.87	" "
C34 Cross rd (W0213)	1	10.20	1.30	0.15	1.99	" "
C35 1st 'A' main rd (W0041)	1	6.90	1.30	0.15	1.35	" "
C36 1st 'A' main rd (W0041)	1	7.50	1.30	0.15	1.46	" "
C37 3rd cross rd	1	6.60	1.30	0.15	1.29	" "
C38 11th main rd (W0077)	1	6.90	1.30	0.15	1.35	" "
C39 Cross rd (W0166)	1	17.80	1.30	0.15	3.47	" "
				Net Qty to be Paid	872.39	Cum

C4FC

19/2

A.E.E

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

19/02/2022
Assistant Engineer
Ward No.002
Chowdeshwari ward

R. Vaidat
Contractor

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Item No:	5	Measurement Sheet
Item Name	KSRB 4.9.2:Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4.6.3-do-TMT Bars Fe 500 (Page No.18 & Item No.4 46.2)	

Measurement recorded on: 22/02/2022

Description of Bars		No of bars	L / B / D (m)	Rmtr (m)	Constant Kg/Rmtr	QTY (Weight)
For RCC Drain						
1st 'A' main rd (W0041) from 9th cross to Dead end rd E/S						
Main bar 12mm dia 250mm c/c spacing						
0.00	9.00	1	7	9.00	63.00	0.888	55.94
17.40	47.40	1	7	30.00	210.00	0.888	186.48
47.40	77.40	1	7	30.00	210.00	0.888	186.48
77.40	96.00	1	7	18.60	130.20	0.888	115.62
Dist.bar 10mm dia 125mm c/c spacing						
0.00	9.00	1	72	2.15	154.80	0.619	95.82
17.40	47.40	1	240	2.15	516.00	0.619	319.40
47.40	77.40	1	240	2.15	516.00	0.619	319.40
77.40	96.00	1	148	2.15	318.20	0.619	196.97
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd E/S						
Main bar 12mm dia 250mm c/c spacing						
0.00	8.90	1	8	8.90	71.20	0.888	63.23
17.80	47.80	1	8	30.00	240.00	0.888	213.12
47.80	77.80	1	8	30.00	240.00	0.888	213.12
77.80	90.10	1	8	12.30	98.40	0.888	87.38
99.10	129.10	1	8	30.00	240.00	0.888	213.12
129.10	136.00	1	8	6.90	55.20	0.888	49.02
Dist.bar 10mm dia 125mm c/c spacing						
0.00	8.90	1	71	2.15	152.65	0.619	94.49
17.80	47.80	1	240	2.15	516.00	0.619	319.40
47.80	77.80	1	240	2.15	516.00	0.619	319.40
77.80	90.10	1	98	2.15	210.70	0.619	130.42
99.10	129.10	1	240	2.15	516.00	0.619	319.40
129.10	136.00	1	55	2.15	118.25	0.619	73.20
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd W/S						
Main.bar 12mm dia 250mm c/c spacing						
0.00	30.00	1	8	30.00	240.00	0.888	
30.00	60.00	1	8	30.00	240.00	0.888	213.12
60.00	90.00	1	8	30.00	240.00	0.888	213.12
90.00	120.00	1	8	30.00	240.00	0.888	213.12
120.00	150.00	1	8	30.00	240.00	0.888	213.12
150.00	173.50	1	8	23.50	188.00	0.888	166.94
Dist.bar 10mm dia 125mm c/c spacing						
0.00	30.00	1	240	2.15	516.00	0.619	319.40
30.00	60.00	1	240	2.15	516.00	0.619	319.40
60.00	90.00	1	240	2.15	516.00	0.619	319.40
90.00	120.00	1	240	2.15	516.00	0.619	319.40

AE-02

Description of Bars	No of bars		L / B / D (m)	Rmtr (m)	Constant Kg/Rmtr	QTY (Weight)
C1 10th cross rd (W0041)	2	86	2.20	378.40	0.619	234.23
C2 10th cross rd (W0049)	2	82	2.20	360.80	0.619	223.34
C3 9th 'B' main rd (W0091)	2	107	2.20	470.80	0.619	291.43
C4 Cross rd (W0093)	2	105	2.20	462.00	0.619	285.98
C5 Cross rd (W0097)	2	106	2.20	466.40	0.619	288.70
1st 'A' main rd (W0043) C6	2	108	2.20	475.20	0.619	294.15
C7 Cross rd (W0095)	2	105	2.20	462.00	0.619	285.98
C8 Cross rd (W0073)	2	81	2.20	356.40	0.619	220.61
C9 6th cross rd (W0044)	2	102	2.20	448.80	0.619	277.81
C10 5th cross rd (W0050)	2	75	2.20	330.00	0.619	204.27
C11 6th cross rd (W0042)	2	98	2.20	431.20	0.619	266.91
C12	2	106	2.20	466.40	0.619	288.70
C13 cross 1	2	71	2.20	312.40	0.619	193.38
C14 cross 2	2	101	2.20	444.40	0.619	275.08
C15 11th 'A' main rd	2	77	2.20	338.80	0.619	209.72
C16	2	77	2.20	338.80	0.619	209.72
C17 11th 'A' main rd	2	69	2.20	303.60	0.619	187.93
C18	2	73	2.20	321.20	0.619	198.82
C19 Cross rd (W0048)	2	117	2.20	514.80	0.619	318.66
C20 Sri Nidhi Lyt cross rd 2	2	42	2.20	184.80	0.619	114.39
C21 4th main rd Kenchenalli rd	2	58	2.20	255.20	0.619	157.97
C22 Cross rd (W0146)	2	90	2.20	396.00	0.619	245.12
C23 Cross rd (W0148)	2	82	2.20	360.80	0.619	223.34
C24 Cross rd (W0205)	2	72	2.20	316.80	0.619	196.10
C25	2	78	2.20	343.20	0.619	212.44
C26 KEB Lyt rd (W0154)	2	78	2.20	343.20	0.619	212.44
C27 Cross rd (W0227)	2	66	2.20	290.40	0.619	179.76
C28 Cross rd (W0225)	2	66	2.20	290.40	0.619	179.76
C29 Cross rd (W0223)	2	72	2.20	316.80	0.619	196.10
C30 Cross rd (W0221)	2	72	2.20	316.80	0.619	196.10
C31 Cross rd (W0219)	2	96	2.20	422.40	0.619	261.47
C32 Cross rd (W0217)	2	96	2.20	422.40	0.619	261.47
C33 Cross rd (W0215)	2	96	2.20	422.40	0.619	261.47
C34 Cross rd (W0213)	2	102	2.20	448.80	0.619	277.81
C35 1st 'A' main rd (W0041)	2	69	2.20	303.60	0.619	187.93
C36 1st 'A' main rd (W0041)	2	75	2.20	330.00	0.619	204.27
C37 3rd cross rd	2	66	2.20	290.40	0.619	179.76
C38 11th main rd (W0077)	2	69	2.20	303.60	0.619	187.93
C39 Cross rd (W0166)	2	178	2.20	783.20	0.619	484.80
					Total Qty Work Done in Kg	101744.83
					Qty to be Paid in tonne	101.74

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

Assistant Engineer
Ward No.002
Chowdeshwari ward

22/02/2022

Contractor

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No.	6	Measurement Sheet
Item Name	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	

Bill measurement recorded on: 02/03/2022

Chainage / Land Mark		NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
For RCC Drain							
1st 'A' main rd (W0041) from 9th cross to Dead end rd E/S							
0.00	9.00	1	9.00	0.90	-	8.10	Sqm
17.40	47.40	1	30.00	0.90	-	27.00	"
47.40	77.40	1	30.00	0.90	-	27.00	"
77.40	96.00	1	18.60	0.90	-	16.74	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd E/S							
0.00	8.90	1	8.90	0.90	-	8.01	Sqm
17.80	47.80	1	30.00	0.90	-	27.00	"
47.80	77.80	1	30.00	0.90	-	27.00	"
77.80	90.10	1	12.30	0.90	-	11.07	"
99.10	129.10	1	30.00	0.90	-	27.00	"
129.10	136.00	1	6.90	0.90	-	6.21	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd W/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	90.00	1	30.00	0.90	-	27.00	"
90.00	120.00	1	30.00	0.90	-	27.00	"
120.00	150.00	1	30.00	0.90	-	27.00	"
150.00	173.50	1	23.50	0.90	-	21.15	"
10th cross rd(W0041) 1st 'A' main rd to 1st main rd S/S							
0.00	25.10	1	25.10	0.90	-	22.59	Sqm
10th cross rd(W0041) 1st 'A' main rd to 1st main rd N/S							
0.00	28.40	1	28.40	0.90	-	25.56	Sqm
10th cross rd(W0049) 1st 'A' main rd to Dead end N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	47.20	1	17.20	0.90	-	15.48	"
10th cross rd(W0049) 1st 'A' main rd to Dead end S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	36.40	1	6.40	0.90	-	5.76	"
9th cross rd(W0030) main rd to 1st main rd S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	67.50	1	7.50	0.90	-	6.75	"
74.40	101.70	1	27.30	0.90	-	24.57	"
9th cross rd(W0030) main rd to 1st main rd N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	50.10	1	20.10	0.90	-	18.09	"
72.80	98.50	1	25.70	0.90	-	23.13	"
1st main rd(W0043) 7th cross rd to 5th cross rd W/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	77.00	1	17.00	0.90	-	15.30	"

AE-02

Chainage / Land Mark		NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
1st main rd(W0043) 6th cross rd to 7th cross rd E/S							
0.00	23.50	1	23.50	0.90	-	21.15	Sqm
6th cross rd(W0042) from 1st main rd N/S							
0.00	18.00	1	18.00	0.90	-	16.20	Sqm
6th cross rd(W0042) from 1st main rd to 5th 'A' cross rd S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	68.20	1	8.20	0.90	-	7.38	"
80.20	110.20	1	30.00	0.90	-	27.00	"
110.20	124.50	1	14.30	0.90	-	12.87	"
134.30	154.90	1	20.60	0.90	-	18.54	"
162.20	169.90	1	7.70	0.90	-	6.93	"
180.50	210.50	1	30.00	0.90	-	27.00	"
210.50	217.90	1	7.40	0.90	-	6.66	"
5th cross rd(W0048) 5th 'A' cross rd to 8th main rd N/S							
14.00	44.00	1	30.00	0.90	-	27.00	Sqm
44.00	74.00	1	30.00	0.90	-	27.00	"
74.00	104.00	1	30.00	0.90	-	27.00	"
104.00	124.80	1	20.80	0.90	-	18.72	"
8th main rd(W0085) from 8th cross rd to dead end W/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	90.00	1	30.00	0.90	-	27.00	"
90.00	90.90	1	0.90	0.90	-	0.81	"
9th 'B' main rd(W0091) from 8th cross rd to dead end W/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	61.20	1	1.20	0.90	-	1.08	"
68.70	98.70	1	30.00	0.90	-	27.00	"
98.70	128.70	1	30.00	0.90	-	27.00	"
128.70	158.70	1	30.00	0.90	-	27.00	"
158.70	159.60	1	0.90	0.90	-	0.81	"
163.90	173.50	1	9.60	0.90	-	8.64	"
9th 'B' main rd(W0091) from 8th cross rd to dead end E/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	71.40	1	11.40	0.90	-	10.26	"
75.40	105.40	1	30.00	0.90	-	27.00	"
105.40	135.40	1	30.00	0.90	-	27.00	"
135.40	165.40	1	30.00	0.90	-	27.00	"
165.40	173.50	1	8.10	0.90	-	7.29	"
8th 'B' main rd(W0034) from 9th 'B' main rd to cross rd N/S							
0.00	21.90	1	21.90	0.90	-	19.71	Sqm
8th 'B' main rd(W0034) from 9th 'B' main rd to cross rd S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	33.70	1	3.70	0.90	-	3.33	"
8th cross rd(W0038) from 9th 'B' main rd to cross rd N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	38.20	1	8.20	0.90	-	7.38	"
8th cross rd(W0038) from cross rd to 9th main rd N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	35.00	1	5.00	0.90	-	4.50	"
8th cross rd(W0038) from 9th main rd to dead end N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	44.70	1	14.70	0.90	-	13.23	"
8th cross rd(W0038) from SWD lane to cross rd S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	51.00	1	21.00	0.90	-	18.90	"
8th cross rd(W0038) from cross rd to 9th main rd S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	35.00	1	5.00	0.90	-	4.50	"
8th cross rd(W0038) from 9th main rd to 10th main rd S/S							

Chainage		NO	L	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)		
0.00	29.30	1	29.30	0.90	-	26.37	Sqm
8th cross rd(W0038) from 10th main rd to dead end S/S							
0.00	7.20	1	7.20	0.90	-	6.48	Sqm
10th main rd(W0099) from 8th cross to 7th cross rd E/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	90.00	1	30.00	0.90	-	27.00	"
90.00	120.00	1	30.00	0.90	-	27.00	"
120.00	150.00	1	30.00	0.90	-	27.00	"
150.00	167.00	1	17.00	0.90	-	15.30	"
10th main rd(W0099) from 8th cross to 7th cross rd W/S							
0.00	30.00	1	30.00	0.90		27.00	Sqm
30.00	60.00	1	30.00	0.90		27.00	"
60.00	90.00	1	30.00	0.90		27.00	"
90.00	120.00	1	30.00	0.90	-	27.00	"
120.00	150.00	1	30.00	0.90	-	27.00	"
150.00	167.00	1	17.00	0.90		15.30	"
6th main rd(W0071)N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	39.00	1	9.00	0.90	-	8.10	"
6th main rd(W0071) E/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	77.50	1	17.50	0.90	-	15.75	"
10th main rd(W0087) from 7th cross rd W/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	35.70	1	5.70	0.90	-	5.13	"
10th main rd(W0087) from 7th cross rd E/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	37.90	1	7.90	0.90	-	7.11	"
47.60	77.60	1	30.00	0.90	-	27.00	"
77.60	79.30	1	1.70	0.90	-	1.53	"
5th cross rd(W0050) from 10th main rd S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	53.30	1	23.30	0.90	-	20.97	"
5th cross rd(W0050) from 10th main rd N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	47.50	1	17.50	0.90	-	15.75	"
11th 'A' main rd (W0075) from cross 1 to cross 2 W/S							
0.00	14.00	1	14.00	0.90	-	12.60	Sqm
11th 'A' main rd (W0075) from cross 2 to 4th 'D' cross W/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	"
60.00	62.70	1	2.70	0.90	-	2.43	"
4th 'D' cross rd (W0075) from 11th 'A' main rd to 11th main rd N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	32.40	1	2.40	0.90	-	2.16	"
4th 'D' cross rd (W0075) from 11th 'A' main rd to 11th main rd S/S							
0.00	25.70	1	25.70	0.90	-	23.13	Sqm
4th cross rd (W0064) from 11th 'A' main rd to Dead end N/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	32.00	1	2.00	0.90	-	1.80	"
72.60	96.80	1	24.20	0.90	-	21.78	"
4th cross rd (W0064) from 8th main rd to Dead end S/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	32.00	1	2.00	0.90	-	1.80	"
38.90	64.90	1	26.00	0.90	-	23.40	"
72.60	86.70	1	14.10	0.90	-	12.69	"
3rd cross rd from 11th 'A' main rd to 11th main rd N/S							
0.00	24.70	1	24.70	0.90	-	22.23	Sqm
3rd cross rd from 11th main rd to 8th main rd N/S							
0.00	29.95	1	29.95	0.75	-	22.46	Sqm

Chainage		NO	L	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)		
0.00	12.80	1	12.80	0.90	-	11.52	Sqm
19.40	45.40	1	26.00	0.90	-	23.40	" "
52.00	77.70	1	25.70	0.90	-	23.13	" "
84.90	110.50	1	25.60	0.90	-	23.04	" "
117.70	143.50	1	25.80	0.90	-	23.22	" "
153.10	183.10	1	30.00	0.90	-	27.00	" "
183.10	203.40	1	20.30	0.90	-	18.27	" "
213.00	243.00	1	30.00	0.90	-	27.00	" "
243.00	256.80	1	13.80	0.90	-	12.42	" "
266.40	296.40	1	30.00	0.90	-	27.00	" "
296.40	304.80	1	8.40	0.90	-	7.56	"
315.00	345.00	1	30.00	0.90	-	27.00	" "
345.00	353.90	1	8.90	0.90	-	8.01	" "
Cross rd (W0217) from cross rd (W0168) to 11th main rd NE/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	" "
60.00	90.00	1	30.00	0.90	-	27.00	" "
90.00	106.70	1	16.70	0.90	-	15.03	" "
122.20	152.20	1	30.00	0.90	-	27.00	" "
152.20	182.20	1	30.00	0.90	-	27.00	" "
182.20	183.20	1	1.00	0.90	-	0.90	" "
Cross rd (W0217) from cross rd (W0168) to 11th main rd SW/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	60.00	1	30.00	0.90	-	27.00	" "
60.00	90.00	1	30.00	0.90	-	27.00	" "
90.00	120.00	1	30.00	0.90	-	27.00	" "
120.00	150.00	1	30.00	0.90	-	27.00	" "
150.00	180.00	1	30.00	0.90	-	27.00	" "
180.00	183.20	1	3.20	0.90	-	2.88	" "
4th main rd from Kenchenahalli rd to Dead end E/S							
0.00	30.00	1	30.00	0.75	-	22.50	Sqm
30.00	60.00	1	30.00	0.75	-	22.50	" "
60.00	90.00	1	30.00	0.75	-	22.50	" "
90.00	115.20	1	25.20	0.75	-	18.90	" "
5th cross Prakruthi layout from prakruthi lyt main rd to dead-end E/S							
0.00	30.00	1	30.00	0.90	-	27.00	Sqm
30.00	59.50	1	29.50	0.90	-	26.55	" "
3rd cross Prakruthi layout E/S							
0.00	11.30	1	11.30	0.90	-	10.17	Sqm
3rd cross Prakruthi layout W/S							
0.00	14.00	1	14.00	0.90	-	12.60	Sqm
3rd Sub cross Prakruthi layout N/S							
0.00	8.40	1	8.40	0.90	-	7.56	Sqm
3rd Sub cross Prakruthi layout S/S							
0.00	8.40	1	8.40	0.90	-	7.56	Sqm
					Net Qty to be Paid	**4404.56**	**Sqm**

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

Contractor

02/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No	7	Measurement Sheet
Item Name	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	

Bill measurement recorded on: 07/03/2022

Chainage / Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
For RCC Culverts						
C1 10th cross rd (W0041)	1	8.60	-	1.20	10.32	Sqm
C2 10th cross rd (W0049)	1	8.20	-	1.20	9.84	"
C3 9th 'B' main rd (W0091)	1	10.70	-	1.20	12.84	"
C4 Cross rd (W0093)	1	10.50	-	1.20	12.60	"
C5 Cross rd (W0097)	1	10.60	-	1.20	12.72	"
1st 'A' main rd (W0043) C6	1	10.80	-	1.20	12.96	"
C7 Cross rd (W0095)	1	10.50	-	1.20	12.60	Sqm
C8 Cross rd (W0073)	1	8.10	-	1.20	9.72	"
C9 6th cross rd (W0044)	1	10.20	-	1.20	12.24	"
C10 5th cross rd (W0050)	1	7.50	-	1.20	9.00	"
C11 6th cross rd (W0042)	1	9.80	-	1.20	11.76	"
C12	1	10.60	-	1.20	12.72	"
C13 cross 1	1	7.10	-	1.20	8.52	
C14 cross 2	1	10.10	-	1.20	12.12	Sqm
C15 11th 'A' main rd	1	7.70	-	1.20	9.24	"
C16	1	7.70	-	1.20	9.24	"
C17 11th 'A' main rd	1	6.90	-	1.20	8.28	"
C18	1	7.30	-	1.20	8.76	"
C19 Cross rd (W0048)	1	11.70	-	1.20	14.04	"
C20 Sri Nidhi Lyt cross rd 2	1	4.20	-	1.20	5.04	
C21 4th main rd Kenchenalli rd	1	5.80	-	1.20	6.96	Sqm
C22 Cross rd (W0146)	1	9.00	-	1.20	10.80	"
C23 Cross rd (W0148)	1	8.20	-	1.20	9.84	Sqm
C24 Cross rd (W0205)	1	7.20	-	1.20	8.64	
C25	1	7.80	-	1.20	9.36	Sqm
C26 KEB Lyt rd (W0154)	1	7.80	-	1.20	9.36	"
C27 Cross rd (W0227)	1	6.60	-	1.20	7.92	
C28 Cross rd (W0225)	1	6.60	-	1.20	7.92	Sqm
C29 Cross rd (W0223)	1	7.20	-	1.20	8.64	"
C30 Cross rd (W0221)	1	7.20	-	1.20	8.64	
C31 Cross rd (W0219)	1	9.60	-	1.20	11.52	Sqm
C32 Cross rd (W0217)	1	9.60	-	1.20	11.52	"
C33 Cross rd (W0215)	1	9.60	-	1.20	11.52	"
C34 Cross rd (W0213)	1	10.20	-	1.20	12.24	"
C35 1st 'A' main rd (W0041)	1	6.90	-	1.20	8.28	"
C36 1st 'A' main rd (W0041)	1	7.50	-	1.20	9.00	"

Checked
A.E.E
3/3

AE-02

Chainage / Land Mark	NO	L (m)	Avg B (m)	D (m)	QTY	UNIT
C37 3rd cross rd	1	6.60	-	1.20	7.92	" "
C38 11th main rd (W0077)	1	6.90	-	1.20	8.28	" "
C39 Cross rd (W0166)	1	17.80	-	1.20	21.36	" "
				Net Qty to be Paid	404.28	Sqm

A.E.E

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers

Contractor

02/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

Assistant Executive Engineer
Yelahanka Sub-Division 3
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No.	9	Measurement Sheet

Item Name: Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge (P No 27, I No 5.30 of PW, P&IWTD SR 2018-19)

Bill measurement recorded on: 02/03/2022

Chainage		NO	L	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)		
1st 'A' main rd (W0041) from 9th cross to Dead end rd E/S							
0.00	9.00	1	9.00	-	-	9.00	Mtr
17.40	47.40	1	30.00	-	-	30.00	"
47.40	77.40	1	30.00	-	-	30.00	"
77.40	96.00	1	18.60	-	-	18.60	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd E/S							
0.00	8.90	1	8.90	-	-	8.90	Mtr
17.80	47.80	1	30.00	-	-	30.00	"
47.80	77.80	1	30.00	-	-	30.00	"
77.80	90.10	1	12.30	-	-	12.30	"
99.10	129.10	1	30.00	-	-	30.00	"
129.10	136.00	1	6.90	-	-	6.90	"
1st 'A' main rd (W0041) from 9th cross rd to 10th cross rd W/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	"
60.00	90.00	1	30.00	-	-	30.00	"
90.00	120.00	1	30.00	-	-	30.00	"
120.00	150.00	1	30.00	-	-	30.00	"
150.00	173.50	1	23.50	-	-	23.50	"
10th cross rd(W0041) 1st 'A' main rd to 1st main rd S/S							
0.00	25.10	1	25.10	-	-	25.10	Mtr
10th cross rd(W0041) 1st 'A' main rd to 1st main rd N/S							
0.00	28.40	1	28.40	-	-	28.40	Mtr
10th cross rd(W0049) 1st 'A' main rd to Dead end N/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	47.20	1	17.20	-	-	17.20	"
10th cross rd(W0049) 1st 'A' main rd to Dead end S/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	36.40	1	6.40	-	-	6.40	"
9th cross rd(W0030) main rd to 1st main rd S/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	"
60.00	67.50	1	7.50	-	-	7.50	"
74.40	101.70	1	27.30	-	-	27.30	"
9th cross rd(W0030) main rd to 1st main rd N/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	34.00	1	4.00	-	-	4.00	"
72.80	98.50	1	25.70	-	-	25.70	"
8th main rd(W0085) from 8th cross rd to dead end W/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr

AE-02

Chainage		NO	L	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)		
133.60	135.60	1	2.00	-	-	2.00	" "
145.50	163.30	1	17.80	-	-	17.80	" "
167.50	197.50	1	30.00	-	-	30.00	" "
197.50	199.60	1	2.10	-	-	2.10	" "
8th main rd (W0085) from 2nd cross to 8th cross W/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	" "
60.00	90.00	1	30.00	-	-	30.00	" "
90.00	111.20	1	21.20	-	-	21.20	" "
117.90	147.90	1	30.00	-	-	30.00	" "
147.90	177.20	1	29.30	-	-	29.30	" "
180.50	210.50	1	30.00	-	-	30.00	" "
210.50	229.80	1	19.30	-	-	19.30	" "
248.20	278.20	1	30.00	-	-	30.00	" "
278.20	308.20	1	30.00	-	-	30.00	" "
308.20	338.20	1	30.00	-	-	30.00	" "
338.20	368.20	1	30.00	-	-	30.00	" "
368.20	398.20	1	30.00	-	-	30.00	" "
398.20	428.20	1	30.00	-	-	30.00	" "
428.20	432.40	1	4.20	-	-	4.20	" "
442.30	472.30	1	30.00	-	-	30.00	" "
472.30	478.00	1	5.70	-	-	5.70	" "
489.50	519.50	1	30.00	-	-	30.00	" "
519.50	528.70	1	9.20	-	-	9.20	" "
551.00	581.00	1	30.00	-	-	30.00	" "
581.00	611.00	1	30.00	-	-	30.00	" "
611.00	641.00	1	30.00	-	-	30.00	" "
641.00	671.00	1	30.00	-	-	30.00	" "
671.00	701.00	1	30.00	-	-	30.00	" "
701.00	731.00	1	30.00	-	-	30.00	" "
731.00	739.30	1	8.30	-	-	8.30	" "
11th main rd (W0077) from 4th cross rd to 3rd cross rd E/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	" "
60.00	90.00	1	30.00	-	-	30.00	" "
90.00	107.80	1	17.80	-	-	17.80	" "
11th main rd (W0077) from 4th cross rd to 3rd cross rd W/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	" "
60.00	90.00	1	30.00	-	-	30.00	" "
90.00	106.95	1	16.95	-	-	16.95	" "
4th 'D' cross rd (W0075) from 11th 'A' main rd to 11th main rd N/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	32.40	1	2.40	-	-	2.40	" "
4th 'D' cross rd (W0075) from 11th 'A' main rd to 11th main rd S/S							
0.00	25.70	1	25.70	-	-	25.70	Mtr
4th cross rd (W0064) from 11th 'A' main rd to Dead end N/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	32.00	1	2.00	-	-	2.00	" "
38.90	64.90	1	26.00	-	-	26.00	" "
72.60	96.80	1	24.20	-	-	24.20	" "
4th cross rd (W0064) from 8th main rd to Dead end S/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	32.00	1	2.00	-	-	2.00	" "
38.90	64.90	1	26.00	-	-	26.00	" "
72.60	86.70	1	14.10	-	-	14.10	" "
3rd cross rd from 11th 'A' main rd to 11th main rd N/S							
0.00	24.70	1	24.70	-	-	24.70	Mtr
3rd cross rd from 11th main rd to 8th main rd N/S							

Chainage		NO	L	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)		
0.00	29.95	1	29.95	-	-	29.95	Mtr
3rd cross rd from 8th main rd Dead end S/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	32.00	1	2.00	-	-	2.00	" "
43.70	72.50	1	28.80	-	-	28.80	" "
Cross rd (W0217) from cross rd (W0168) to 11th main rd NE/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	" "
60.00	90.00	1	30.00	-	-	30.00	" "
90.00	106.70	1	16.70	-	-	16.70	" "
122.20	152.20	1	30.00	-	-	30.00	" "
152.20	182.20	1	30.00	-	-	30.00	" "
182.20	183.20	1	1.00	-	-	1.00	" "
Cross rd (W0217) from cross rd (W0168) to 11th main rd SW/S							
0.00	30.00	1	30.00	-	-	30.00	Mtr
30.00	60.00	1	30.00	-	-	30.00	" "
60.00	90.00	1	30.00	-	-	30.00	" "
90.00	120.00	1	30.00	-	-	30.00	" "
120.00	150.00	1	30.00	-	-	30.00	" "
150.00	180.00	1	30.00	-	-	30.00	" "
180.00	183.20	1	3.20	-	-	3.20	" "
					Total Length	4367.70	Mtr
					Number of Kerbs stones=Total length /0.45	9706.00	No's
					Net Qty to be Paid	9706.00	No's

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

Contractor

02/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

Assistant Executive Engineer
Yelahanka Sub-Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Measurement Sheet

I.No.	13
Item Name	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications (I No-19 64.P No-147)

Premeasurement recorded on:

Chainage	Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
			For CC road						
			Sri Nidhi layout cross rd 2						
0.00	30.00	1	30.00	4.20	4.20	4.20	-	126.00	Sqm
30.00	59.50	1	29.50	4.20	4.20	4.20	-	123.90	" "
			4th main rd from Kenchenahalli main rd						
0.00	30.00	1	30.00	3.70	3.90	3.80	-	114.00	Sqm
30.00	60.00	1	30.00	3.90	3.90	3.90	-	117.00	" "
60.00	90.00	1	30.00	3.90	3.60	3.75	-	112.50	" "
90.00	108.00	1	18.00	3.60	3.50	3.55	-	63.90	" "
108.00	115.20	1	7.20	2.50	2.60	2.55	-	18.36	" "
			For Asphalt road						
			Sri Nidhi layout cross rd 1						
0.00	30.00	1	30.00	3.75	3.85	3.80	-	114.00	Sqm
30.00	59.50	1	29.50	3.85	3.65	3.75	-	110.63	" "
			10th cross rd (W0049) From 1st main rd Dead end						
0.00	30.00	1	30.00	6.90	6.80	6.85	-	205.50	Sqm
30.00	46.50	1	16.50	6.80	6.80	6.80	-	112.20	" "
			1st 'A' main rd (W0041) From 9th cross rd to Dead end						
0.00	30.00	1	30.00	6.10	6.10	6.10	-	183.00	Sqm
30.00	60.00	1	30.00	6.10	5.70	5.90	-	177.00	" "
60.00	90.00	1	30.00	5.70	5.50	5.60	-	168.00	" "
90.00	97.00	1	7.00	5.50	5.50	5.50	-	38.50	" "
Deduction		-1	10.00	1.80	1.80	1.80	-	-18.00	" "
			9th cross rd (W0030) From main rd to 1st main rd						
0.00	7.00	1	7.00	20.20	10.80	15.50	-	108.50	Sqm
7.00	37.00	1	30.00	10.80	9.15	9.98	-	299.25	" "
37.00	67.00	1	30.00	9.15	7.10	8.13	-	243.75	" "
67.00	97.00	1	30.00	7.10	7.35	7.23	-	216.75	" "
97.00	111.75	1	14.75	7.35	7.75	7.55	-	111.36	" "
111.75	115.00	1	3.25	7.75	11.70	9.73	-	31.61	" "
			10th 'D' cross rd (W0041) From 1st main rd to 1st 'A' main rd						
0.00	30.00	1	30.00	6.70	6.90	6.80	-	204.00	Sqm
30.00	31.30	1	1.30	6.90	6.90	6.90	-	8.97	" "
			1st 'A' main rd (W0041) From 10th cross rd to 9th cross rd						
0.00	30.00	1	30.00	6.60	6.70	6.65	-	199.50	Sqm
30.00	60.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
60.00	90.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
90.00	120.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
120.00	137.00	1	17.00	6.70	6.90	6.80	-	115.60	" "
			1st main rd (W0043) From main rd to 10th cross rd W/S						
0.00	7.40	1	7.40	11.50	8.55	10.03	-	74.19	Sqm
7.40	37.40	1	30.00	8.55	7.15	7.85	-	235.50	" "
37.40	67.40	1	30.00	7.15	7.15	7.15	-	214.50	" "
67.40	97.40	1	30.00	7.15	8.50	7.83	-	234.75	" "
97.40	124.55	1	27.15	8.50	7.35	7.93	-	215.16	" "
			1st main rd (W0043) From 10th cross rd to main rd E/S						

	Chainage	Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
	Cross rd (W0150) From Cross rd (W0195) to Dead end									
	0.00	30.00	1	30.00	5.55	5.65	5.60	-	168.00	Sqm
	30.00	60.00	1	30.00	5.65	5.45	5.55	-	166.50	" "
	60.00	90.00	1	30.00	5.45	5.40	5.43	-	162.75	" "
	90.00	120.00	1	30.00	5.40	5.50	5.45	-	163.50	" "
	120.00	150.00	1	30.00	5.50	5.50	5.50	-	165.00	" "
	150.00	180.00	1	30.00	5.50	5.70	5.60	-	168.00	" "
	180.00	210.00	1	30.00	5.70	5.65	5.68	-	170.25	" "
	210.00	216.55	1	6.55	5.65	5.65	5.65	-	37.01	" "
	KEB Layout rd (W0154) From Dead end to Cross rd (W0195)									
	0.00	30.00	1	30.00	5.60	5.70	5.65	-	169.50	Sqm
	30.00	60.00	1	30.00	5.70	5.80	5.75	-	172.50	" "
	60.00	90.00	1	30.00	5.80	5.80	5.80	-	174.00	" "
	90.00	120.00	1	30.00	5.80	5.80	5.80	-	174.00	" "
	120.00	150.00	1	30.00	5.80	5.70	5.75	-	172.50	" "
	150.00	180.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
	180.00	210.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
	210.00	240.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
	240.00	270.00	1	30.00	5.70	5.90	5.80	-	174.00	" "
	270.00	289.50	1	19.50	5.90	5.90	5.90	-	115.05	" "
								Net Qty to be Paid	28534.85	Sqm

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

05/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

K. Venkat

Contractor

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Measurement Sheet

I.No. 16

Item Name: KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)

Premeasurement recorded on:

Chainage	Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
Sri Nidhi layout cross rd 1									
0.00	30.00	1	30.00	3.75	3.85	3.80	-	114.00	Sqm
30.00	59.50	1	29.50	3.85	3.65	3.75	-	110.63	" "
10th cross rd (W0049) From 1st main rd Dead end									
0.00	30.00	1	30.00	6.90	6.80	6.85	-	205.50	Sqm
30.00	46.50	1	16.50	6.80	6.80	6.80	-	112.20	" "
1st 'A' main rd (W0041) From 9th cross rd to Dead end									
0.00	30.00	1	30.00	6.10	6.10	6.10	-	183.00	Sqm
30.00	60.00	1	30.00	6.10	5.70	5.90	-	177.00	" "
60.00	90.00	1	30.00	5.70	5.50	5.60	-	168.00	" "
90.00	97.00	1	7.00	5.50	5.50	5.50	-	38.50	" "
Deduction		-1	10.00	1.80	1.80	1.80	-	-18.00	" "
9th cross rd (W0030) From main rd to 1st main rd									
0.00	7.00	1	7.00	20.20	10.80	15.50	-	108.50	Sqm
7.00	37.00	1	30.00	10.80	9.15	9.98	-	299.25	" "
37.00	67.00	1	30.00	9.15	7.10	8.13	-	243.75	" "
67.00	97.00	1	30.00	7.10	7.35	7.23	-	216.75	" "
97.00	111.75	1	14.75	7.35	7.75	7.55	-	111.36	" "
111.75	115.00	1	3.25	7.75	11.70	9.73	-	31.61	" "
10th 'D' cross rd (W0041) From 1st main rd to 1st 'A' main rd									
0.00	30.00	1	30.00	6.70	6.90	6.80	-	204.00	Sqm
30.00	31.30	1	1.30	6.90	6.90	6.90	-	8.97	" "
1st 'A' main rd (W0041) From 10th cross rd to 9th cross rd									
0.00	30.00	1	30.00	6.60	6.70	6.65	-	199.50	Sqm
30.00	60.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
60.00	90.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
90.00	120.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
120.00	137.00	1	17.00	6.70	6.90	6.80	-	115.60	" "
1st main rd (W0043) From main rd to 10th cross rd W/S									
0.00	7.40	1	7.40	11.50	8.55	10.03	-	74.19	Sqm
7.40	37.40	1	30.00	8.55	7.15	7.85	-	235.50	" "
37.40	67.40	1	30.00	7.15	7.15	7.15	-	214.50	" "
67.40	97.40	1	30.00	7.15	8.50	7.83	-	234.75	" "
97.40	124.55	1	27.15	8.50	7.35	7.93	-	215.16	" "
1st main rd (W0043) From 10th cross rd to main rd E/S									
0.00	30.00	1	30.00	8.55	7.15	7.85	-	235.50	Sqm
30.00	60.00	1	30.00	7.15	7.20	7.18	-	215.25	" "
60.00	90.00	1	30.00	7.20	7.15	7.18	-	215.25	" "
90.00	109.20	1	19.20	7.15	9.80	8.48	-	162.72	" "
Main road Bell mouth portion									
0.00	18.50	1	18.50	1.50	1.50	1.50	-	27.75	Sqm
Divider portion B/W 1st main rd E/S & W/S									

AE-02

Chainage		NO	L	B1	B2	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)	(m)	(m)		
60.00	90.00	1	30.00	5.45	5.40	5.43	-	162.75	" "
90.00	120.00	1	30.00	5.40	5.50	5.45	-	163.50	" "
120.00	150.00	1	30.00	5.50	5.50	5.50	-	165.00	" "
150.00	180.00	1	30.00	5.50	5.70	5.60	-	168.00	" "
180.00	210.00	1	30.00	5.70	5.65	5.68	-	170.25	" "
210.00	216.55	1	6.55	5.65	5.65	5.65	-	37.01	" "
KEB Layout rd (W0154) From Dead end to Cross rd (W0195)									
0.00	30.00	1	30.00	5.60	5.70	5.65	-	169.50	Sqm
30.00	60.00	1	30.00	5.70	5.80	5.75	-	172.50	" "
60.00	90.00	1	30.00	5.80	5.80	5.80	-	174.00	" "
90.00	120.00	1	30.00	5.80	5.80	5.80	-	174.00	" "
120.00	150.00	1	30.00	5.80	5.70	5.75	-	172.50	" "
150.00	180.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
180.00	210.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
210.00	240.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
240.00	270.00	1	30.00	5.70	5.90	5.80	-	174.00	" "
270.00	289.50	1	19.50	5.90	5.90	5.90	-	115.05	" "
Sri Nidhi layout main rd (W0130)									
0.00	30.00	1	30.00	7.00	6.20	6.60	-	198.00	Sqm
30.00	60.00	1	30.00	6.20	6.70	6.45	-	193.50	" "
60.00	90.00	1	30.00	6.70	6.75	6.73	-	201.75	" "
90.00	120.00	1	30.00	6.75	6.50	6.63	-	198.75	" "
120.00	150.00	1	30.00	6.50	6.50	6.50	-	195.00	" "
150.00	162.50	1	12.50	6.50	6.70	6.60	-	82.50	" "
							Net Qty to be Paid	28928.69	Sqm

For CIVIL PRIME CONSULTANTS & ENGINEERS

Authorised Signatory
Civil Prime Consultants & Engineers

Contractor

21/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

21/03

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Measurement Sheet

I.No 18

Item Name: KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P No-161,I No-21.7)

Premeasurement recorded on:

Chainage	Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
			Sri Nidhi layout cross rd 1						
0.00	30.00	1	30.00	3.75	3.85	3.80	-	114.00	Sqm
30.00	59.50	1	29.50	3.85	3.65	3.75	-	110.63	" "
			10th cross rd (W0049) From 1st main rd Dead end						
0.00	30.00	1	30.00	6.90	6.80	6.85	-	205.50	Sqm
30.00	46.50	1	16.50	6.80	6.80	6.80	-	112.20	" "
			1st 'A' main rd (W0041) From 9th cross rd to Dead end						
0.00	30.00	1	30.00	6.10	6.10	6.10	-	183.00	Sqm
30.00	60.00	1	30.00	6.10	5.70	5.90	-	177.00	" "
60.00	90.00	1	30.00	5.70	5.50	5.60	-	168.00	" "
90.00	97.00	1	7.00	5.50	5.50	5.50	-	38.50	" "
Deduction		-1	10.00	1.80	1.80	1.80	-	-18.00	" "
			9th cross rd (W0030) From main rd to 1st main rd						
0.00	7.00	1	7.00	20.20	10.80	15.50	-	108.50	Sqm
7.00	37.00	1	30.00	10.80	9.15	9.98	-	299.25	" "
37.00	67.00	1	30.00	9.15	7.10	8.13	-	243.75	" "
67.00	97.00	1	30.00	7.10	7.35	7.23	-	216.75	" "
97.00	111.75	1	14.75	7.35	7.75	7.55	-	111.36	" "
111.75	115.00	1	3.25	7.75	11.70	9.73	-	31.61	" "
			10th 'D' cross rd (W0041) From 1st main rd to 1st 'A' main rd						
0.00	30.00	1	30.00	6.70	6.90	6.80	-	204.00	Sqm
30.00	31.30	1	1.30	6.90	6.90	6.90	-	8.97	" "
			1st 'A' main rd (W0041) From 10th cross rd to 9th cross rd						
0.00	30.00	1	30.00	6.60	6.70	6.65	-	199.50	Sqm
30.00	60.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
60.00	90.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
90.00	120.00	1	30.00	6.70	6.70	6.70	-	201.00	" "
120.00	137.00	1	17.00	6.70	6.90	6.80	-	115.60	" "
			1st main rd (W0043) From main rd to 10th cross rd W/S						
0.00	7.40	1	7.40	11.50	8.55	10.03	-	74.19	Sqm
7.40	37.40	1	30.00	8.55	7.15	7.85	-	235.50	" "
37.40	67.40	1	30.00	7.15	7.15	7.15	-	214.50	" "
67.40	97.40	1	30.00	7.15	8.50	7.83	-	234.75	" "
97.40	124.55	1	27.15	8.50	7.35	7.93	-	215.16	" "
			1st main rd (W0043) From 10th cross rd to main rd E/S						
0.00	30.00	1	30.00	8.55	7.15	7.85	-	235.50	Sqm
30.00	60.00	1	30.00	7.15	7.20	7.18	-	215.25	" "
60.00	90.00	1	30.00	7.20	7.15	7.18	-	215.25	" "
90.00	109.20	1	19.20	7.15	9.80	8.48	-	162.72	" "
			Main road Bell mouth portion						
0.00	18.50	1	18.50	1.50	1.50	1.50	-	27.75	Sqm
			Divider portion B/W 1st main rd E/S & W/S						

C&F - Rupees 75.13

A.E.E

AE-01

Chainage		NO	L	B1	B2	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)	(m)	(m)		
60.00	90.00	1	30.00	5.45	5.40	5.43	-	162.75	" "
90.00	120.00	1	30.00	5.40	5.50	5.45	-	163.50	" "
120.00	150.00	1	30.00	5.50	5.50	5.50	-	165.00	" "
150.00	180.00	1	30.00	5.50	5.70	5.60	-	168.00	" "
180.00	210.00	1	30.00	5.70	5.65	5.68	-	170.25	" "
210.00	216.55	1	6.55	5.65	5.65	5.65	-	37.01	" "
KEB Layout rd (W0154) From Dead end to Cross rd (W0195)									
0.00	30.00	1	30.00	5.60	5.70	5.65	-	169.50	Sqm
30.00	60.00	1	30.00	5.70	5.80	5.75	-	172.50	" "
60.00	90.00	1	30.00	5.80	5.80	5.80	-	174.00	" "
90.00	120.00	1	30.00	5.80	5.80	5.80	-	174.00	" "
120.00	150.00	1	30.00	5.80	5.70	5.75	-	172.50	" "
150.00	180.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
180.00	210.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
210.00	240.00	1	30.00	5.70	5.70	5.70	-	171.00	" "
240.00	270.00	1	30.00	5.70	5.90	5.80	-	174.00	" "
270.00	289.50	1	19.50	5.90	5.90	5.90	-	115.05	" "
Sri Nidhi layout main rd (W0130)									
0.00	30.00	1	30.00	7.00	6.20	6.60	-	198.00	Sqm
30.00	60.00	1	30.00	6.20	6.70	6.45	-	193.50	" "
60.00	90.00	1	30.00	6.70	6.75	6.73	-	201.75	" "
90.00	120.00	1	30.00	6.75	6.50	6.63	-	198.75	" "
120.00	150.00	1	30.00	6.50	6.50	6.50	-	195.00	" "
150.00	162.50	1	12.50	6.50	6.70	6.60	-	82.50	" "
							Net Qty to be Paid	28928.69	Sqm

For [illegible] CONSULTANTS & ENGINEERS

Authorised Signatory

Civil Prime Consultants & Engineers

K. Venu

Contractor

25/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No. 19 — **Measurement Sheet**

Item Name: KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen(P.No-162,I No-21.22.6)

Bill measurement recorded on:

Chainage	Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
Sri Nidhi layout cross rd 1									
0.00	30.00	1	30.00	3.75	3.85	3.80	0.04	4.56	Cum
30.00	59.50	1	29.50	3.85	3.65	3.75	0.04	4.43	"
10th cross rd (W0049) From 1st main rd Dead end									
0.00	30.00	1	30.00	6.90	6.80	6.85	0.04	8.22	Cum
30.00	46.50	1	16.50	6.80	6.80	6.80	0.04	4.49	"
1st 'A' main rd (W0041) From 9th cross rd to Dead end									
0.00	30.00	1	30.00	6.10	6.10	6.10	0.04	7.32	Cum
30.00	60.00	1	30.00	6.10	5.70	5.90	0.04	7.08	"
60.00	90.00	1	30.00	5.70	5.50	5.60	0.04	6.72	"
90.00	97.00	1	7.00	5.50	5.50	5.50	0.04	1.54	"
Deduction		-1	10.00	1.80	1.80	1.80	0.04	-0.72	"
9th cross rd (W0030) From main rd to 1st main rd									
0.00	7.00	1	7.00	20.20	10.80	15.50	0.04	4.34	Cum
7.00	37.00	1	30.00	10.80	9.15	9.98	0.04	11.97	"
37.00	67.00	1	30.00	9.15	7.10	8.13	0.04	9.75	"
67.00	97.00	1	30.00	7.10	7.35	7.23	0.04	8.67	"
97.00	111.75	1	14.75	7.35	7.75	7.55	0.04	4.45	"
111.75	115.00	1	3.25	7.75	11.70	9.73	0.04	1.26	"
10th 'D' cross rd (W0041) From 1st main rd to 1st 'A' main rd									
0.00	30.00	1	30.00	6.70	6.90	6.80	0.04	8.16	Cum
30.00	31.30	1	1.30	6.90	6.90	6.90	0.04	0.36	"
1st 'A' main rd (W0041) From 10th cross rd to 9th cross rd									
0.00	30.00	1	30.00	6.60	6.70	6.65	0.04	7.98	Cum
30.00	60.00	1	30.00	6.70	6.70	6.70	0.04	8.04	"
60.00	90.00	1	30.00	6.70	6.70	6.70	0.04	8.04	"
90.00	120.00	1	30.00	6.70	6.70	6.70	0.04	8.04	"
120.00	137.00	1	17.00	6.70	6.90	6.80	0.04	4.62	"
1st main rd (W0043) From main rd to 10th cross rd W/S									
0.00	7.40	1	7.40	11.50	8.55	10.03	0.04	2.97	Cum
7.40	37.40	1	30.00	8.55	7.15	7.85	0.04	9.42	"
37.40	67.40	1	30.00	7.15	7.15	7.15	0.04	8.58	"
67.40	97.40	1	30.00	7.15	8.50	7.83	0.04	9.39	"
97.40	124.55	1	27.15	8.50	7.35	7.93	0.04	8.61	"
1st main rd (W0043) From 10th cross rd to main rd E/S									
0.00	30.00	1	30.00	8.55	7.15	7.85	0.04	9.42	Cum
30.00	60.00	1	30.00	7.15	7.20	7.18	0.04	8.61	"
60.00	90.00	1	30.00	7.20	7.15	7.18	0.04	8.61	"
90.00	109.20	1	19.20	7.15	9.80	8.48	0.04	6.51	"
Main road Bell mouth portion									
0.00	18.50	1	18.50	1.50	1.50	1.50	0.04	1.11	Cum

AE-02

Chainage		NO	L	B1	B2	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)	(m)	(m)		
69.50	99.50	1	30.00	7.00	7.50	7.25	0.04	8.70	" "
99.50	108.50	1	9.00	8.10	7.40	7.75	0.04	2.79	" "
108.50	118.10	1	9.60	6.40	7.00	6.70	0.04	2.57	" "
118.10	148.10	1	30.00	7.00	6.80	6.90	0.04	8.28	" "
148.10	155.60	1	7.50	6.80	6.80	6.80	0.04	2.04	" "
4th 'D' cross rd (W0075) from 11th 'A' main rd to11th main rd									
0.00	30.00	1	30.00	6.80	7.00	6.90	0.04	8.28	Cum
30.00	31.50	1	1.50	7.00	7.00	7.00	0.04	0.42	" "
Cross rd (W0217) From cross rd (W0168) to 11th main rd									
0.00	30.00	1	30.00	9.50	9.50	9.50	0.04	11.40	Cum
30.00	60.00	1	30.00	9.50	9.60	9.55	0.04	11.46	" "
60.00	90.00	1	30.00	9.60	9.70	9.65	0.04	11.58	" "
90.00	106.70	1	16.70	9.60	8.30	8.95	0.04	5.98	" "
106.70	122.20	1	15.50	8.30	9.60	8.95	0.04	5.55	" "
122.20	152.20	1	30.00	9.60	9.60	9.60	0.04	11.52	" "
152.20	182.20	1	30.00	9.60	9.60	9.60	0.04	11.52	" "
182.20	183.20	1	1.00	9.60	9.60	9.60	0.04	0.38	" "
8th main rd (W0085) From 7th cross rd to 4th cross rd									
0.00	30.00	1	30.00	7.90	7.70	7.80	0.04	9.36	Cum
30.00	60.00	1	30.00	7.70	7.80	7.75	0.04	9.30	" "
60.00	90.00	1	30.00	7.80	8.00	7.90	0.04	9.48	" "
90.00	120.00	1	30.00	8.00	7.70	7.85	0.04	9.42	" "
120.00	150.00	1	30.00	7.70	7.70	7.70	0.04	9.24	" "
150.00	180.00	1	30.00	7.70	7.70	7.70	0.04	9.24	" "
180.00	210.00	1	30.00	7.70	7.70	7.70	0.04	9.24	" "
210.00	240.00	1	30.00	7.70	7.80	7.75	0.04	9.30	" "
240.00	270.00	1	30.00	7.80	7.70	7.75	0.04	9.30	" "
270.00	282.10	1	12.10	7.70	7.70	7.70	0.04	3.73	" "
8th main rd (W0085) From 4th cross rd to 2nd cross rd									
0.00	30.00	1	30.00	7.70	7.60	7.65	0.04	9.18	Cum
30.00	60.00	1	30.00	7.60	7.70	7.65	0.04	9.18	" "
60.00	90.00	1	30.00	7.70	7.50	7.60	0.04	9.12	" "
90.00	120.00	1	30.00	7.50	7.50	7.50	0.04	9.00	" "
120.00	150.00	1	30.00	7.50	7.40	7.45	0.04	8.94	" "
150.00	180.00	1	30.00	7.40	7.30	7.35	0.04	8.82	" "
180.00	210.00	1	30.00	7.30	7.20	7.25	0.04	8.70	" "
210.00	240.00	1	30.00	7.20	7.00	7.10	0.04	8.52	" "
240.00	247.50	1	7.50	7.00	7.00	7.00	0.04	2.10	" "
247.50	256.90	1	9.40	9.40	8.30	8.85	0.04	3.33	" "
4th cross rd (W0064) From 8th main rd to Dead end									
0.00	30.00	1	30.00	12.80	12.80	12.80	0.04	15.36	Cum
30.00	60.00	1	30.00	12.80	13.10	12.95	0.04	15.54	" "
60.00	90.00	1	30.00	13.10	13.10	13.10	0.04	15.72	" "
90.00	98.50	1	8.50	13.10	13.50	13.30	0.04	4.52	" "
Cross rd (W0166) From Main rd (W0169) to KEB Layout rd (W0154)									
0.00	30.00	1	30.00	6.90	6.00	6.45	0.04	7.74	Cum
30.00	60.00	1	30.00	6.00	6.20	6.10	0.04	7.32	" "
60.00	90.00	1	30.00	6.20	6.15	6.18	0.04	7.41	" "
90.00	120.00	1	30.00	6.15	6.10	6.13	0.04	7.35	" "
120.00	150.00	1	30.00	6.10	6.20	6.15	0.04	7.38	" "
150.00	180.00	1	30.00	6.20	6.05	6.13	0.04	7.35	" "
180.00	210.00	1	30.00	6.05	5.90	5.98	0.04	7.17	" "
210.00	240.00	1	30.00	5.90	5.80	5.85	0.04	7.02	" "
240.00	270.00	1	30.00	5.80	5.80	5.80	0.04	6.96	" "
270.00	300.00	1	30.00	5.80	5.70	5.75	0.04	6.90	" "
300.00	330.00	1	28.95	6.00	6.00	6.00	0.04	6.95	" "
330.00	358.95	1	30.00	5.55	5.65	5.60	0.04	6.72	Cum
Cross rd (W0150) From Cross rd (W0195) to Dead end									
0.00	30.00	1	30.00	5.65	5.45	5.55	0.04	6.66	" "
30.00	60.00	1	30.00	5.45	5.40	5.43	0.04	6.51	" "
60.00	90.00								

Chainage		NO	L	B1	B2	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)	(m)	(m)		
90.00	120.00	1	30.00	5.40	5.50	5.45	0.04	6.54	" "
120.00	150.00	1	30.00	5.50	5.50	5.50	0.04	6.60	" "
150.00	180.00	1	30.00	5.50	5.70	5.60	0.04	6.72	" "
180.00	210.00	1	30.00	5.70	5.65	5.68	0.04	6.81	" "
210.00	216.55	1	6.55	5.65	5.65	5.65	0.04	1.48	" "
KEB Layout rd (W0154) From Dead end to Cross rd (W0195)									
0.00	30.00	1	30.00	5.60	5.70	5.65	0.04	6.78	Cum
30.00	60.00	1	30.00	5.70	5.80	5.75	0.04	6.90	" "
60.00	90.00	1	30.00	5.80	5.80	5.80	0.04	6.96	" "
90.00	120.00	1	30.00	5.80	5.80	5.80	0.04	6.96	" "
120.00	150.00	1	30.00	5.80	5.70	5.75	0.04	6.90	" "
150.00	180.00	1	30.00	5.70	5.70	5.70	0.04	6.84	" "
180.00	210.00	1	30.00	5.70	5.70	5.70	0.04	6.84	" "
210.00	240.00	1	30.00	5.70	5.70	5.70	0.04	6.84	" "
240.00	270.00	1	30.00	5.70	5.90	5.80	0.04	6.96	" "
270.00	289.50	1	19.50	5.90	5.90	5.90	0.04	4.60	" "
Sri Nidhi layout main rd (W0130)									
0.00	30.00	1	30.00	7.00	6.20	6.60	0.04	7.92	Cum
30.00	60.00	1	30.00	6.20	6.70	6.45	0.04	7.74	" "
60.00	90.00	1	30.00	6.70	6.75	6.73	0.04	8.07	" "
90.00	120.00	1	30.00	6.75	6.50	6.63	0.04	7.95	" "
120.00	150.00	1	30.00	6.50	6.50	6.50	0.04	7.80	" "
150.00	162.50	1	12.50	6.50	6.70	6.60	0.04	3.30	" "
							Net Qty to be Paid	1157.15	Cum

For CIVIL PRIME CONSULTANTS & ENGINEERS

Authorised Signatory

Civil Prime Consultants & Engineers

Contractor

25/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

25/3

Assistant Executive Engineer
Yelahanka Sub-Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No. 20 — **Measurement Sheet**

Item Name: KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)

Bill measurement recorded on:

Chainage	Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
			Sri Nidhi layout cross rd 1						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	59.50	1	29.50	0.10	0.10	0.10	-	2.95	" "
			10th cross rd (W0049) From 1st main rd Dead end						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	46.50	1	16.50	0.10	0.10	0.10	-	1.65	" "
			1st 'A' main rd (W0041) From 9th cross rd to Dead end						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	60.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
60.00	90.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
90.00	97.00	1	7.00	0.10	0.10	0.10	-	0.70	" "
			9th cross rd (W0030) From main rd to 1st main rd						
0.00	7.00	1	7.00	0.10	0.10	0.10	-	0.70	Sqm
7.00	37.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
37.00	67.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
67.00	97.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
97.00	111.75	1	14.75	0.10	0.10	0.10	-	1.48	" "
111.75	115.00	1	3.25	0.10	0.10	0.10	-	0.33	" "
			10th 'D' cross rd (W0041) From 1st main rd to 1st 'A' main rd						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	31.30	1	1.30	0.10	0.10	0.10	-	0.13	" "
			1st 'A' main rd (W0041) From 10th cross rd to 9th cross rd						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	60.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
60.00	90.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
90.00	120.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
120.00	137.00	1	17.00	0.10	0.10	0.10	-	1.70	" "
			1st main rd (W0043) From main rd to 10th cross rd W/S						
0.00	7.40	1	7.40	0.10	0.10	0.10	-	0.74	Sqm
7.40	37.40	1	30.00	0.10	0.10	0.10	-	3.00	" "
37.40	67.40	1	30.00	0.10	0.10	0.10	-	3.00	" "
67.40	97.40	1	30.00	0.10	0.10	0.10	-	3.00	" "
97.40	124.55	1	27.15	0.10	0.10	0.10	-	2.72	" "
			1st main rd (W0043) From 10th cross rd to main rd E/S						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	60.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
60.00	90.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
90.00	109.20	1	19.20	0.10	0.10	0.10	-	1.92	" "
			9th 'B' main rd (W0091) From 8th cross rd to dead end						
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm

C&F

A.E.E.

Verified AE-02

Chainage		NO	L	B1	B2	Avg B	D	QTY	UNIT
Land Mark			(m)	(m)	(m)	(m)	(m)		
30.00	60.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
60.00	90.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
90.00	120.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
120.00	150.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
150.00	180.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
180.00	210.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
210.00	216.55	1	6.55	0.10	0.10	0.10	-	0.66	" "
KEB Layout rd (W0154) From Dead end to Cross rd (W0195)									
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	60.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
60.00	90.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
90.00	120.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
120.00	150.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
150.00	180.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
180.00	210.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
210.00	240.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
240.00	270.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
270.00	289.50	1	19.50	0.10	0.10	0.10	-	1.95	" "
Sri Nidhi layout main rd (W0130)									
0.00	30.00	1	30.00	0.10	0.10	0.10	-	3.00	Sqm
30.00	60.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
60.00	90.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
90.00	120.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
120.00	150.00	1	30.00	0.10	0.10	0.10	-	3.00	" "
150.00	162.50	1	12.50	0.10	0.10	0.10	-	1.25	" "
							Net Qty to be Paid	394.61	Sqm

For CIVIL PRIME CONSULTANTS & ENGINEERS

Authorised Signatory

Civil Prime Consultants & Engineers

Contractor

28/03/2022

Assistant Engineer
Ward No.002
Chowdeshwari ward

28/3

Assistant Executive Engineer
Yelahanka Sub-Divisibn
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

Measurement Sheet

I.No. 23

Item Name: KSRRB M600-1. Providing and Constructing dry lean cement concrete mix CC1:5:10 Base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum over a prepared sub-base coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1 Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do- with OPC at 150 kg/cum and Coarse agrregate 0.86cum, Fine aggregate 0.58cum using Concrete batch Mix Plant at 75 Cum/hr capacity with fixed form Paver
. MORTH Specification No. 601, Pg No.174Item No 22.1.2

Premeasurement recorded on:

	Chainage / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
	For CC road									
	Sri Ndhi layout cross rd 2									
	0.00	30.00	1	30.00	4.20	4.20	4.20	0.15	18.90	Cum
	30.00	59.50	1	29.50	4.20	4.20	4.20	0.15	18.59	"
	4th main rd from Kenchenahalli main rd									
	0.00	30.00	1	30.00	3.70	3.90	3.80	0.15	17.10	Cum
	30.00	60.00	1	30.00	3.90	3.90	3.90	0.15	17.55	"
	60.00	90.00	1	30.00	3.90	3.60	3.75	0.15	16.88	"
	90.00	108.00	1	18.00	3.60	3.50	3.55	0.15	9.59	"
	108.00	115.20	1	7.20	2.50	2.60	2.55	0.15	2.75	"
								Net Qty to be Paid	101.35	Cum

Civil Prime Consultants & Engineers

K. Venkata
Contractor

Assistant Engineer
Ward No.002
Chowdeshwari ward

28/02/2022

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

YALAHANKA DIVISION

NAME OF WORK: Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02) (Number of Works-05)

I.No.	24	Measurement Sheet

Item Name

Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No 22.6.1

Bill measurement recorded on:

	Chainage / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	D (m)	QTY	UNIT
	For CC road									
	Sri Ndhi layout cross rd 2									
	0.00	30.00	1	30.00	4.20	4.20	4.20	0.15	18.90	Cum
	30.00	59.50	1	29.50	4.20	4.20	4.20	0.15	18.59	" "
	4th main rd from Kenchenahalli main rd									
	0.00	30.00	1	30.00	3.70	3.90	3.80	0.15	17.10	Cum
	30.00	60.00	1	30.00	3.90	3.90	3.90	0.15	17.55	" "
	60.00	90.00	1	30.00	3.90	3.60	3.75	0.15	16.88	" "
	90.00	108.00	1	18.00	3.60	3.50	3.55	0.15	9.59	" "
	108.00	115.20	1	7.20	2.50	2.60	2.55	0.15	2.75	" "
								Net Qty to be Paid	101.35	Cum

30/3/2022

For CIVIL PRIME CONSULTANTS & ENGINEERS

Civil Prime Consultants & Engineers
Authorised Signatory

Contractor

Assistant Engineer
Ward No.002
Chowdeshwari ward

26/02/2022

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P